

PATENT ABSTRACTS OF JAPAN

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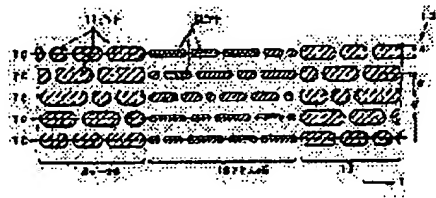
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(54) OPTICAL RECORDING MEDIUM AND REPRODUCING DEVICE FOR THE SAME

(57)Abstract:

PURPOSE: To perform stable tracking servo while performing offset cancel by using a push-pull signal at an address part.

CONSTITUTION: The depth of a pit 11 of a data part 13 of an optical recording medium 10 is set within the range of $\lambda/4n - \lambda/2n$ (where, the λ is the wavelength of a laser beam for reproducing and the n is the diffraction factor of a medium substrate) and the depth of a pit 16 in an address part 18 is set within the range of $0 - \lambda/4n$. When return light from the optical recording medium 10 is photodetected by a two-divided photodetecting element the difference signal of a detect signal obtained from each photodetecting part, namely, the polarity of the so-called push-pull signal is mutually inverted by the data part 13 and the address part 18.



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